

Abstract

An internal high pressure forming installation is provided, in which a forming tool with upper and lower dies form a forming chamber for pressure forming a closed hollow profile. The installation has at least one axial punch which can seal the hollow profile be sealed at one end and apply an internal high pressure to expand the hollow profile. The installation includes a rapid filling device which can pre-fill the hollow profile with pressurized fluid when the axial punch is drawn back from the hollow profile end. In order for the production of hollow profiles to be suitable for mass production in a simple manner, the filling attachment is transported on the axial punch which brings the filling attachment into a contact position on the forming tool in order to fill it and, after the filling, guides it into a position remote from the forming tool.